

TOSHIBA

Satellite® A65 Series

Feature Model(s):

Part Numbers
PSA60U-0LE015

Satellite A65-S1070

Mobile P4 532/15.0"XGA/512MB/40GB/DVD-CDRW/Mdm/LAN/802.11b/g Wifi/WinXP Home

Product Highlights

Performance

- Mobile Intel® Pentium® 4 processor 532 supporting Hyper-Threading Technology*
- 512MB of Main Memory

Great Features

- 40GB** hard disk drive
- DVD-CDRW drive
- 15.0" TFT active-matrix display

Get On-Line

- Integrated V.92/56K modem
- Integrated 10/100 Ethernet LAN
- Integrated 802.11b/g wireless LAN

System Characteristics

Operating System

- Microsoft® Windows® XP Home pre-installed

CPU/Chipset information

- Mobile Intel® Pentium® 4 processor 532 supporting Hyper-Threading Technology*
 - 3.06GHz*, 1MB L2 Cache, 533MHz Front Side Bus
- ATI® MOBILITY™ RADEON™ 7000 IGP chipset

Memory

- 512MB (1 DIMM) fixed memory slot with 1 available upgradeable slot; expandable to 1536MB
 - Data/Address Bus Width: 64bit/32bit
- Optional available expansion memory modules: 256MB/512/1028MB, SODIMM: Memory compatible with PC2100 DDR266 and PC2700 DDR333

Mass Storage – HDD/Optical Drive

- **Primary Hard Disk Drive:** 40GB** hard disk drive, Enhanced IDE (ATA-6) interface, 4200rpm drive rotation; 9.5mm height, 0.2lbs, Service Removable
- **DVD-CDRW Drive:** 12.7mm Enhanced IDE (ATAPI) Interface, Service removable:
Maximum Read speed: CD-ROM (24X), CD-R (24X), CD-RW (12X), DVD-ROM (8X), DVD-R (4X), DVD-RW (4X), DVD+R (4X), DVD+RW (4X), DVD-RAM (2X)
Maximum Write speed: CD-R (16X), CD-RW (4X)
- **Compatibility:** CD-R(read/write), CD-RW(read/re-write), DVD-R(read), DVD-RW(read), DVD-RAM(read), CD-ROM, DVD-ROM

Graphics/Video

- 15.0" TFT active-matrix display***; internal LCD display supports up to 16M colors at 1024 x 768 resolution
- ATI® MOBILITY™ RADEON™ 7000 IGP graphics controller with 64MB shared video memory
- DirectX7 supported by hardware and DirectX9 supported by software
- Supported external CRT resolution/color/maximum external refresh rate (depending on CRT):
 - 640 x 480; 16bit/32bit colors
 - 800 x 600; 16bit/32bit colors/60/75/85/100Hz
 - 1024 x 768; 16bit/32bit colors/60/75/85/100Hz
 - 1280 x 1024; 16bit/32bit colors/60/75/85/100Hz
 - 1600 x 1200; 16bit/32bit colors/60/75/85/100Hz
 - 1920 x 1440; 16bit/32bit colors/60/75/85Hz
 - 2048 x 1536; 16bit/32bit colors/60Hz

Input Devices

- Keyboard: Full sized 85 keys with 12 function keys, 2.7mm key stroke, 6mm height; Dedicated Windows® keys support; HotKey function; TouchPad pointing device

Expandability

- 1 Memory slot available
- 1 PC Card slot support 1 Type II PC Card

Communications

- Integrated V.92/56K modem; Data and fax support
Due to FCC limitations, speeds of 53kbps are the maximum permissible transmission rates during download. Actual data transmission speeds will vary depending on line conditions.

- Integrated 10/100 Ethernet LAN

Ports

- Parallel printer port
- RGB (monitor) port
- 3 Universal Serial Bus ports (USB)
- TV-Out Port (S-Video)
- RJ-45 LAN Port
- RJ-11 modem port

Physical Description

- Dimensions (LxWxH): 13.5" x 11.1" x 2.13" (max height with feet)
- Weight: starting at 7.7lbs****

Sound

- Realtek ALC250 (on board) Codec Chip; Software Sound
- Built-in stereo speakers; Direct 3D Sound (supported by sound driver), DirectSound (supported by hardware acceleration) and DirectMusic (supported by hardware acceleration); MIDI Support; Sound Volume (by Dial); Full Duplex Support
- Ports: External Microphone port (monaural), headphone port (stereo)

Power Supply

- **AC Adapter:** 120W external AC Adapter, 100-240V / 50-60Hz frequency (Universal) input voltage, 19V x 6.3A Output.
- **Dimensions (LxWxH):** 5.91" x 2.56 x 1.42"
- **Weight:** starting at 1.43lbs****
- **Battery Pack:** 12-cell, rechargeable, removable Lithium Ion (Li-Ion) battery, 14.8V x 6450mAh
- **Dimensions (LxWxH):** 10.78" x 2.82" x 0.85"
- **Weight:** starting at 1.46lbs****
- Battery Saver (in Windows XP): Stand by, HDD Auto Off, Display Auto Off, Hibernation
- Battery life (main battery): Please see battery life section ****
- Recharge time (main off/on): Approx 4/14 hrs. (off/on)

Battery life may vary depending on applications, power management settings and features utilized. Recharge time varies depending on usage. Battery may not charge while computer is consuming full power. After a period of time, the battery will lose its ability to perform at maximum capacity and will need to be replaced. This is normal for all batteries. To purchase a new battery pack or see information on accessories shipping with your computer, visit the Toshiba website at <http://www.accessories.toshiba.com>

Security

- Slot for computer lock, memory (1 screw), HDD (1 screw) and Built-in Modem/LAN (1 screw), User Power-on Password, Screen Blank (by Hotkey), Screen Saver (by software)

Bios

- ACPI, PnP, VESA, DDC, SM BIOS, PCI BIOS support

Additional Software

- Microsoft® Works®
- Microsoft® Office® OneNote™ 2003
- Software Decoder: InterVideo® (Win-DVD™ 4) -w/SRS TruSurround XT® Technology (SRS® TruSurround XT® Technology features: TruSurround, SRS Dialog Clarity Enhancement, & TruBass)
- Sonic® Solutions Drive Letter Access (DLA)
- Sonic® Solutions RecordNow!™ Basic
- ArcSoft® ShowBiz® DVD Version 1.3
- AT&T® Worldnet® Service – 1 Month FREE
- Intuit® Quicken® New User Edition 2004
- Norton® AntiVirus™ 2004 – w/3-Month Subscription
- AOL® (3 –Month offer)
AOL OFFER DETAILS: Availability may be limited, especially during peak times. TO AVOID BEING CHARGED A MONTHLY MEMBERSHIP FEE, SIMPLY CANCEL BEFORE THE THREE-MONTH PROMOTIONAL PERIOD ENDS. Premium services carry surcharges and communication surcharges may apply, including AK, even during promotional period. Members may incur telephone charges on their phone bill, depending on their location and calling plan, even during promotional period. Available to new AOL members in the United States, age 18 or older; a major credit card or checking account is required.
- Adobe® Acrobat Reader
- QuickTime™ Player
- RealOne™ Player 8 Basic
- Microsoft® Internet Explorer

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TOSHIBA

- Napster® music software

TOSHIBA Software

- TOSHIBA Notebook Maximizer
- TOSHIBA Speech System
- TOSHIBA ConfigFree™ software
- TOSHIBA Custom Utilities
- TOSHIBA Touch and Launch
- TOSHIBA Zooming Utility

Warranty

- 1 year parts, labor and battery limited warranty

Extended Warranty

Toshiba offers many different warranty extensions and enhanced service plans such as SystemGuard®, At-Home Repair, and Service Express to provide additional support to your notebook PC. For a full description and complete list of programs, please visit www.accessories.toshiba.com

- 2nd/3rd Year Warranty Extension, SWP-PEQQ3V
- 3 Years SystemGuard + Warranty Extension, SWP-PEGQ3V
- 3 Years ServiceExpress + Warranty Extension, SWP-PEQP3V
- 3 Years At-Home Repair + Warranty Extension, SWP-PEQH3V
- 3 Years SystemGuard + Service Express, SWP-PEGP3V
- 3 Years SystemGuard + At-Home Repair, SWP-PEGH3V

Selected Accessories

Category	Part Number	Description
Power	PA3290U-2ACA	Toshiba 120W Global AC Adapter
Power	PA3382U-1BRS	Toshiba Li ION Battery (12 cell)
Memory	KTT3311/256	Kingston 256MB Memory
Memory	KTT3311/512	Kingston 512MB Memory
Memory	KTT3311/1G	Kingston 1GB Memory
Misc	PA3109U-1FDD	Toshiba USB FDD Kit
Misc	PA1336U-1NKB	Toshiba USB Keyboard
Misc	PA1337U-1NMS	Toshiba USB Optical Mouse
Cases	NWCER2	Excursion Roller 16"
Cases	PA1362U-1NCS	Toshiba Back Pack
Cases	PA1360U-1NCS	Toshiba Nylon Case
Cases	PA1361U-1NCS	Toshiba Executive Leather Case
Security	NWDEFCL	Targus-Noteworthy DEFCON CL Cable Lock
Storage/Backup	HDD1232CZP41002	Toshiba 5GB Type II PC Card HDD w/Back-up software
Storage/Backup	ABSPPLUS-40.0	CMS ABSplus 40GB PCMCIA Automatic Backup System
Storage/Backup	ABSPPLUS-60.0	CMS ABSplus 60GB PCMCIA Automatic Backup System
Storage/Backup	UABS2-40.0	CMS ABSplus 40GB USB 2.0 Automatic Backup System
Storage/Backup	UABS2-60.0	CMS ABSplus 60GB USB 2.0 Automatic Backup System

* Go to www.accessories.toshiba.com for additional, available accessories

*Central Processing Unit ("CPU") Performance Disclaimer: CPU performance in your computer product may vary from specifications under the following conditions:

1. use of certain external peripheral products
2. use of battery power instead of AC power
3. use of certain multimedia games or videos with special effects
4. use of standard telephone lines or low speed network connections
5. use of complex modeling software, such as high end computer aided design applications
6. use of computer in areas with low air pressure (high altitude >1,000 meters or >3,280 feet above sea level)
7. use of computer at temperatures outside the range of 5°C to 30°C (41°F to 86° F) or >25°C (77°F) at high altitude (all temperature references are approximate and may vary depending on the specific computer model – please refer to your Resource Guide or visit the Toshiba website at www.pcsupport.toshiba.com for details).

CPU performance may also vary from specifications due to design configuration.

Under some conditions, your computer product may automatically shut-down. This is a normal protective feature designed to reduce the risk of lost data or damage to the product when used outside recommended conditions. To avoid risk of lost data, always make back-up copies of data by periodically storing it on an external storage medium. For optimum performance, use your computer product only under recommended conditions. Read additional restrictions under "Environmental Conditions" in your product Resource Guide. Contact Toshiba Technical Service and Support for more information.

**Hard Drive Capacity. 1 Gigabyte (GB) means 1000 x 1000 x 1000 = 1,000,000,000 bytes using powers of 10. The computer operating system, however, reports storage capacity using powers of 2 for the definition of 1 GB = 1024 x 1024 x 1024 = 1,073,741,824 bytes, and therefore may show less storage capacity. Available storage capacity will also be less if the product includes pre-installed operating system and/or application software. Actual formatted capacity may vary.

***TFT Disclaimer. Small bright dots may appear on your TFT display when you turn on your PC. Your display contains an extremely large number of thin-film transistors (TFT) and is manufactured using high-precision technology. Any small bright dots that may appear on your display are an intrinsic characteristic of the TFT manufacturing technology.

****Weight may vary depending on product configuration, vendor components, manufacturing variability and options selected.

Return Policy

TAIS does not accept the return of component parts, or bundled software, which have been removed from the PC system. Pro-rata refunds on individual PC components or bundled software, including the operating system, will not be granted. If you wish to return a complete PC system, contact the TAIS dealer where you purchased the product, and comply with the dealer's standard return policies and procedures.

Subject to Change

While Toshiba has made very effort at the time of publication to ensure the accuracy of the information provided herein, product specifications, configurations, prices, system/component/options availability are all subject to change without notice. For the most up-to-date product information about your computer, or to stay current with the various computer software or hardware options, visit Toshiba's Web site at pcsupport.toshiba.com

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*****Battery life may vary depending on product model, configuration, applications, power management settings and features utilized. Recharge time varies depending on usage. Battery may not charge while computer is consuming full power. After a period of time, the battery will lose its ability to perform at maximum capacity and will need to be replaced. This is normal for all batteries. To purchase a new battery pack, see the accessories information that shipped with your computer or visit the Toshiba web site at accessoryfinder.toshiba.com.

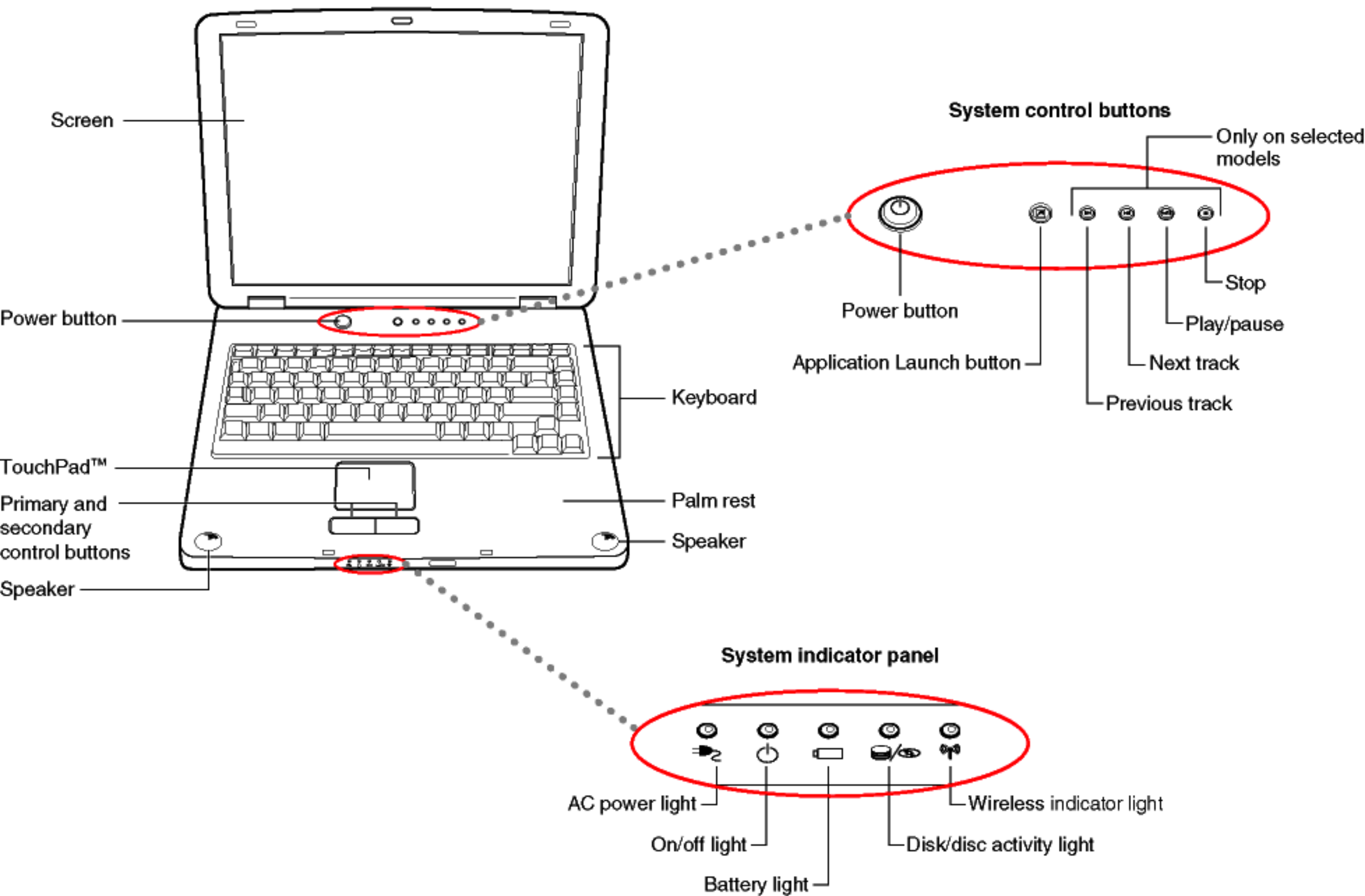
Business Winstone® 2002 BatteryMark™ Version 1.0

These models achieved the battery life times shown using Ziff Davis Media Inc.'s Business Winstone® 2002 BatteryMark™ Version 1.0. These tests were performed without independent verification by the VeriTest testing division of Lionbridge Technologies, Inc. ("VeriTest"). Neither Ziff Davis Media Inc. nor VeriTest makes any representations or warranties as to the results of the tests. Winstone® is a registered trademark and BatteryMark™ is a trademark of Ziff Davis Publishing Holdings Inc. in the U.S. and other countries. Copyright 2002 Ziff Davis Media Inc. All Rights Reserved. All products used in the tests were shipping versions available to the general public. The battery life results were achieved running the Business Winstone® 2002 BatteryMark™ Version 1.0 on the following system parameters. System parameters were set according to Ziff Davis Media Inc.'s recommendations.

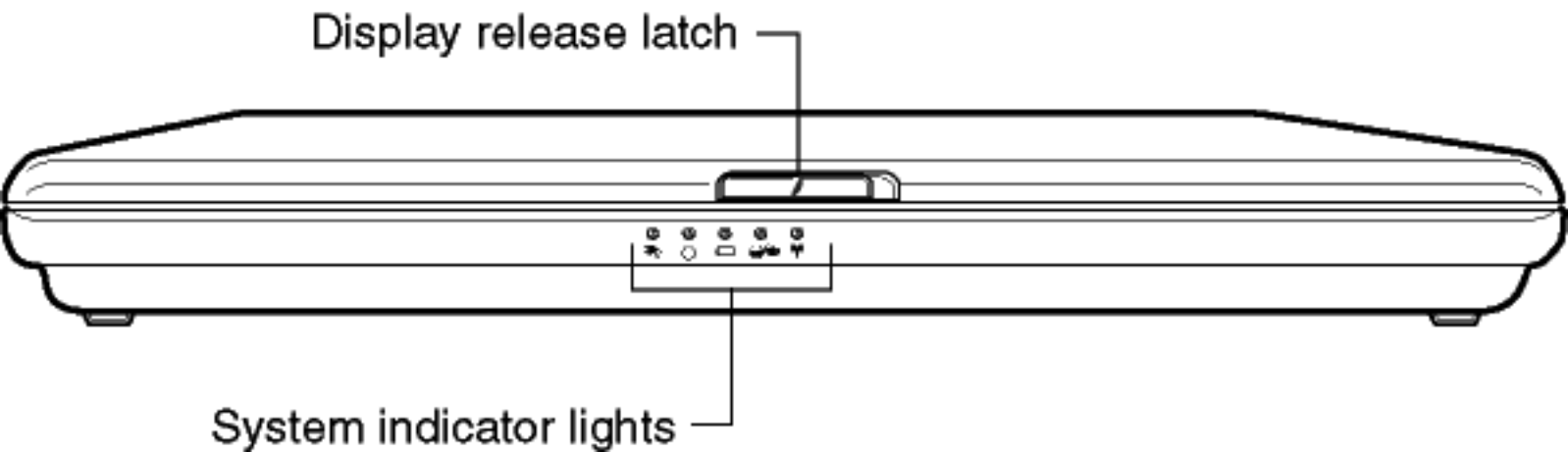
Battery Life	Catalog Spec (1st)	3H	2H	1.5H
	Number of Conditioning Phase	1	3H (Option 12 cell Battery)	1
	Life Test Run	3	3	3
CPU Name		Mobile Intel® Pentium® 4 processor 3.20GHz with HT Technology	Mobile Intel® Pentium® 4 processor 2.80GHz	Intel® Celeron® D processor 335
Processor info	speed	3.2GHz	2.8GHz	2.8GHz
	number of processors	1	1	1
amount of RAM		512MB	256MB	256MB
Amount of secondary RAM cache		512KB	512KB	256KB
Battery	type(1st)	Li-Ion	Li-Ion	Li-Ion
	model number(1st)	PA3382U-1BRS/BAS	PA3384U-1BRS/BAS	PA3382U-1BRS/BAS
	type(2nd)	-	-	-
	model number(2nd)	-	-	-
	number of batteries	1	1	1
Graphics		ATI MOBILITY RADEON 7000 IGP (internal GFX)	ATI MOBILITY RADEON 7000 IGP (internal GFX)	ATI MOBILITY RADEON 7000 IGP (internal GFX)
amount and type of RAM		UMA	UMA	UMA
graphics driver name and version		6.14.10.6449	6.14.10.6449	6.14.10.6449
graphics resolution and color depth, refresh rate		1024x768, 32bit, 60Hz	1024x768, 32bit, 60Hz	1024x768, 32bit, 60Hz
hard disk capacity		60G	40G	40G
hard disk file system & transfer mode		Enhanced IDE(ATA-5)	Enhanced IDE(ATA-5)	Enhanced IDE(ATA-5)
hard disk controller model		ATI IXP150	ATI IXP150	ATI IXP150
size of hardware cache if any		-	-	-
operating system version, service pack		Windows XP Professional Service Pack 1	Windows XP Professional Service Pack 1	Windows XP Professional Service Pack 1
other special conditions		N/A	N/A	N/A
BIOS version		0.01.43	0.01.43	0.01.43
Power management setting		see another sheet	see another sheet	see another sheet

		Business Winstone 2002 BatteryMark Version 1.0
		Model#1-3
Power Save Mode	Cooling Method	MaximumPerformance
	Intel SpeedStep(R) Technology	Level 3
	Processor speed	100%-75%
		74%-50%
		49%-25%
	Monitor brightness (* See Notes)	24%-0%
		100%-75%
		74%-50%
	Turn off monitor	49%-25%
		24%-0%
		Level 4
	Turn off hard disks	100%-75%
		74%-50%
		49%-25%
	System standby	24%-0%
		100%-75%
		74%-50%
	System Hibernate	49%-25%
		24%-0%
		NEVER
System Power Mode	When I press the power button	Power off
	When I close the lid	Hibernate
Alarm	Prompt for password when computer goes off Standby or Hibernation	Off
	Activate low battery alarm when power level reaches	Off
	Low Battery Alarm Action	Off
		Sound alarm
		Display message
	When the alarm goes off, the computer will:	Off
		Off
		Off
	Activate critical battery alarm when power level reaches	Off
		Off
		Off
Hibernate	Critical Battery Alarm Action	Off
		Sound alarm
		Display message
	When the alarm goes off, the computer will:	Off
		Off
		Off
	When the alarm occurs, run this program:	Off
		Off
		Off
		Off
SoundMAX Audio Power Management	Enable Hibernate Support	On
	Power Mode	-
	Timer Setting	-
	Internal Speakers	-

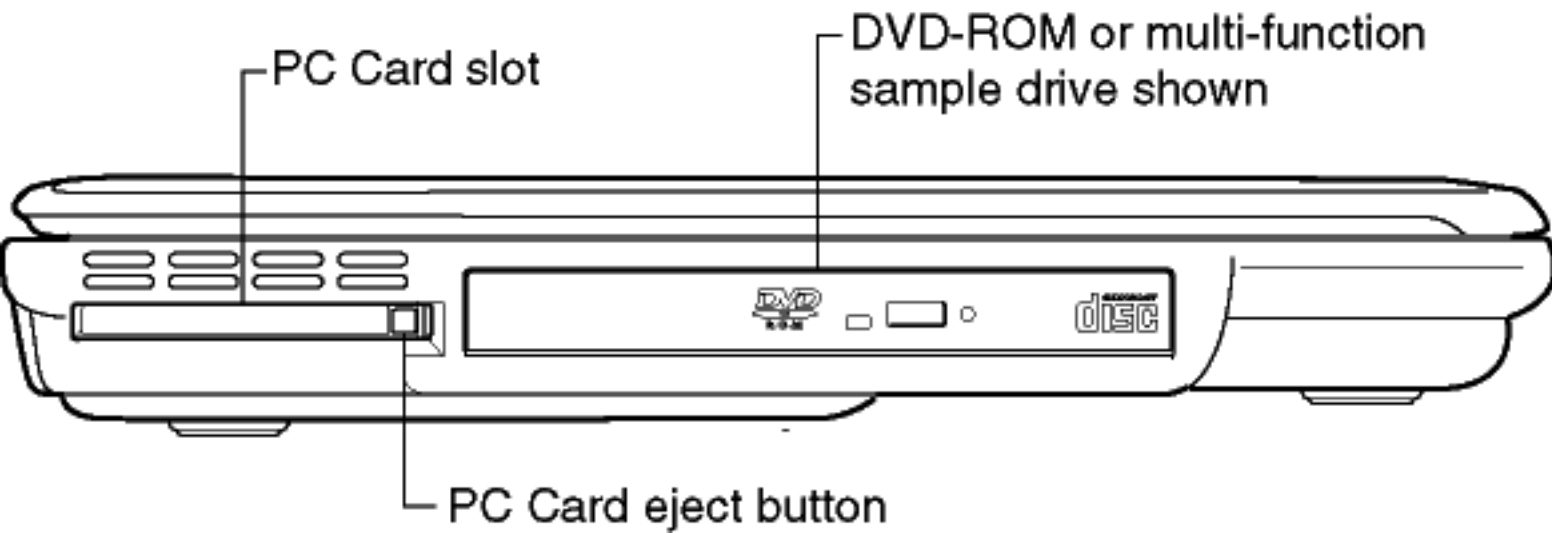
Front with display open



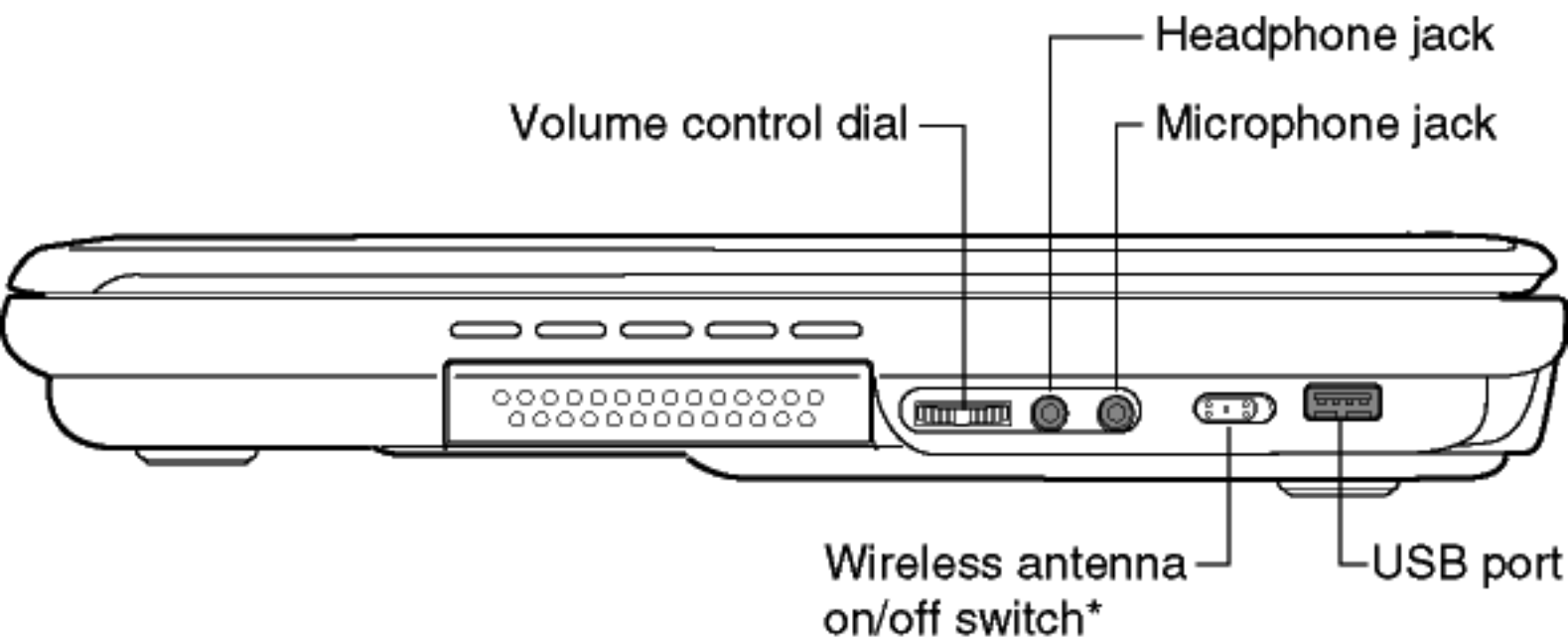
Front with display closed



Left side

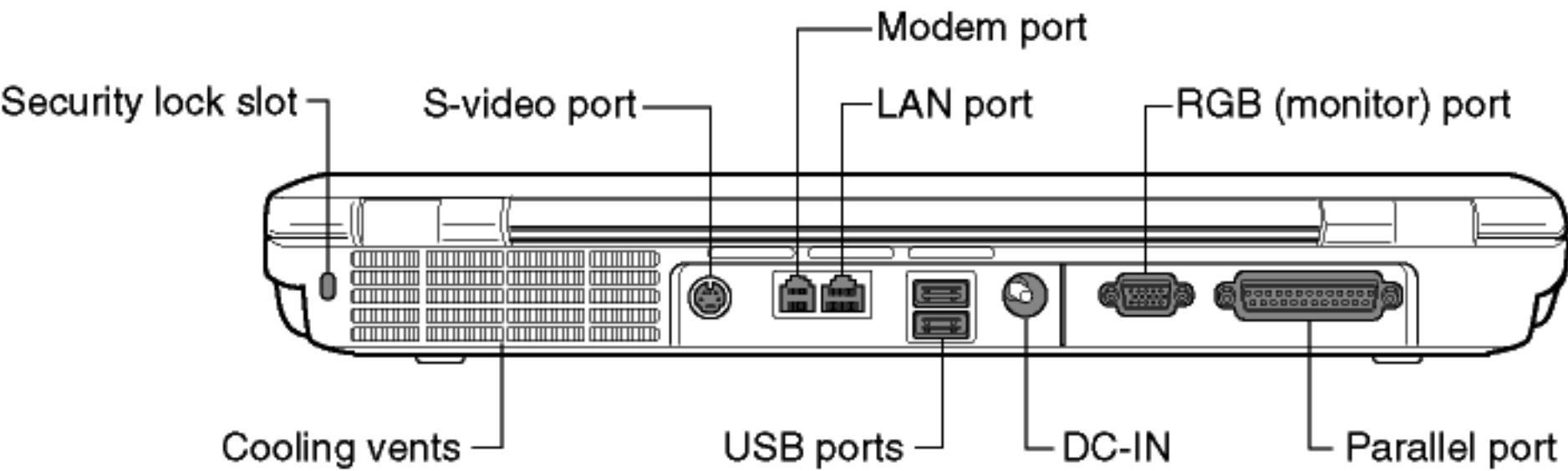


Right side



*Functional only on systems with wireless module installed.

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Underside

